

REMARKS

Claims 1, 2 and 4-11 are pending in the application and stand rejected. Claim 1 is amended. Claim 3 is canceled. No new matter is added. Applicants have amended the specification to correct minor informalities. In light of the foregoing amendments and the following remarks, Applicants earnestly solicit favorable reconsideration.

Applicants request that the amendment filed after the Final Rejection, filed on March 13, 2008 not be entered. The present amendments to the claims incorporate all of the desired changes and comply with MPEP 706.07(h)(V). The last entered amendment was filed on August 29, 2007 and it is from these claims that Applicants have submitted the present claim amendments.

Applicants thank the Examiner for the interview courteously extended on April 3, 2008. Applicants incorporate the substance of the interview into the following remarks.

Independent Claim 1:

Independent claim 1 requires in part:

a fine vacuum tube element and other electronic elements integrated and formed on a substrate of a semiconductor, the fine vacuum tube element and the other electronic elements transmitting signals to and from each other; wherein an interference system is constructed from said fine vacuum tube element.
Emphasis added.

Applicants have included the limitation wherein an interference system is constructed from a fine vacuum tube element. As discussed during the interview, this limitation further

distinguishes the claimed invention from the cited art, as the cited art does not disclose using a vacuum tube as an interferometer.

Dependent Claims 2 and 4-11:

As claims 2 and 4-11 ultimately depend from independent claim 1, the remarks submitted above also apply to each of the dependent claims.

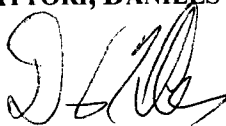
In view of the aforementioned amendments and accompanying remarks, Applicants submit that the claims, as herein amended, are in condition for allowance. Applicants request such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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